

SEQUENCE LISTING

<110> Irving W. WAINER et al.

<120> COMPUTER-BASED MODEL FOR IDENTIFICATION AND CHARACTERIZATION OF
NON-COMPETITIVE INHIBITORS OF NICOTINIC ACETYLCHOLINE RECEPTORS
AND RELATED LIGAND-GATED ION CHANNEL RECEPTORS

<130> 1173-1025PUS2

<160> 15

<170> PatentIn version 3.2

<210> 1

<211> 23

<212> PRT

<213> Unsure

<220>

<221> misc_feature

<222> (1)..(23)

<223> Table 1 Delta Sequence - Transmembrane domain of ligand gated ion
channel subunit

<400> 1

Glu	Lys	Met	Ser	Thr	Ala	Ile	Ser	Val	Leu	Leu	Ala	Gly	Ala	Val	Phe
1				5					10					15	

Leu	Leu	Leu	Thr	Ser	Gly	Arg
			20			

<210> 2

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<213> Unsure

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<222> (1)..(23)

<223> Table 1 Gamma Sequence - Transmembrane domain of ligand gated ion
channel subunit

<400> 2

Gln	Lys	Cys	Thr	Leu	Ser	Ile	Ser	Val	Leu	Leu	Ala	Gln	Thr	Ile	Phe
1				5					10					15	

Leu	Phe	Leu	Ile	Ala	Gln	Lys
			20			

<210> 3

<211> 23

<212> PRT

channel subunit

<400> 3

Glu Lys Met Thr Leu Ser Ile Ser Val Leu Leu Ser Leu Thr Val Phe
1 5 10 15

Leu Leu Val Ile Val Glu Leu
20

<210> 4

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<222> (1)..(23)

<223> Table 1 Alpha 3 Sequence - Transmembrane domain of ligand gated ion
channel subunit

<400> 4

Glu Lys Val Thr Leu Cys Ile Ser Val Leu Leu Ser Leu Thr Val Phe
1 5 10 15

Leu Leu Val Ile Thr Glu Thr
20

<210> 5

<211> 23

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<213> Unsure

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<222> (1)..(23)

<223> Table 1 Alpha 4 Sequence - Transmembrane domain of ligand gated ion
channel subunit

<400> 5

Glu Lys Ile Thr Leu Cys Ile Ser Val Leu Leu Ser Leu Thr Val Phe
1 5 10 15

Leu Leu Leu Ile Thr Glu Ile
20

<210> 6

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<221> misc_feature

<222> (1)..(23)

<223> Table 1 Alpha 5 Sequence - Transmembrane domain of ligand gated ion
channel subunit

<400> 6

Glu Lys Ile Cys Leu Cys Thr Ser Val Leu Val Ser Leu Thr Val Phe
1 5 10 15

Leu Leu Val Ile Glu Glu Ile
20

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<222> (1)..(23)
<223> Table 1 Alpha 6 Sequence - Transmembrane domain of ligand gated ion
channel subunit

<400> 7

Glu Lys Val Thr Leu Cys Ile Ser Val Leu Leu Ser Leu Thr Val Phe
1 5 10 15

Leu Leu Val Ile Thr Glu Thr
20

<210> 8
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<223> Table 1 Alpha 7 Sequence - Transmembrane domain of ligand gated ion
channel subunit

<400> 8

Glu Lys Ile Ser Leu Gly Ile Thr Val Leu Leu Ser Leu Thr Val Phe
1 5 10 15

Met Leu Leu Val Ala Glu Ile
20

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<222> (1)..(23)
<223> Table 1 Alpha 9 Sequence - Transmembrane domain of ligand gated ion
channel subunit

<400> 9

Glu Lys Val Ser Leu Gly Val Thr Ile Leu Leu Ala Met Thr Val Phe
1 5 10 15

Gln Leu Met Val Ala Glu Ile
20

<210> 10
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<223> Table 1 Alpha 10 Sequence - Transmembrane domain of ligand gated ion
channel subunit

<400> 10

Glu Lys Val Ser Leu Gly Val Thr Val Leu Leu Ala Leu Thr Val Phe
1 5 10 15

Gln Leu Ile Leu Ala Glu Ser
20

<210> 11
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<223> Table 1 Beta 1 Sequence - Transmembrane domain of ligand gated ion
channel subunit

<400> 11

Glu Lys Met Gly Leu Ser Ile Phe Ala Leu Leu Thr Leu Thr Val Phe
1 5 10 15

Leu Leu Leu Leu Ala Asp Lys
20

<210> 12
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<222> (1)..(23)
<223> Table 1 Beta 2 Sequence - Transmembrane domain of ligand gated ion
channel subunit

<400> 12

Glu Lys Met Thr Leu Cys Ile Ser Val Leu Leu Ala Leu Thr Val Phe
1 5 10 15

Leu Leu Leu Ile Ser Lys Ile
20

<210> 13
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 <222> (1)..(23)
 <223> Table 1 Beta 3 Sequence - Transmembrane domain of ligand gated ion
 channel subunit

<400> 13

Glu Lys Leu Ser Leu Ser Thr Ser Val Leu Val Ser Leu Thr Val Phe
 1 5 10 15

Leu Leu Val Ile Glu Glu Ile
 20

<210> 14
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 <223> Table 1 Beta 4 Sequence - Transmembrane domain of ligand gated ion
 channel subunit

<400> 14

Glu Lys Met Thr Leu Cys Ile Ser Val Leu Leu Ala Leu Thr Phe Phe
 1 5 10 15

Leu Leu Leu Ile Ser Lys Ile
 20

<210> 15
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 <222> (1)..(23)
 <223> Table 1 Epsilon Sequence - Transmembrane domain of ligand gated ion
 channel subunit

<400> 15

Gln Lys Cys Thr Val Ser Ile Asn Val Leu Leu Ala Gln Thr Val Phe
 1 5 10 15

Leu Phe Phe Leu Ile Ala Gln
 20